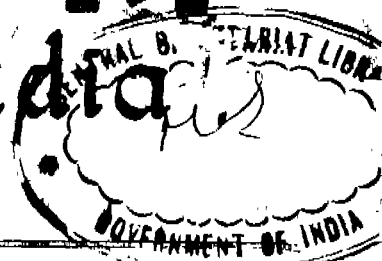




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



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No. 32] NEW DELHI, SATURDAY, AUGUST 5, 2000 (SRAVANA 14, 1922)

• इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 5th August 2000

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Fax No. 011 576 6204

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and Amindivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
Fax No. 044 490 1492.

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Building, 5th, 6th & 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
Phone No. 247 4401
Fax No. 033 247 3851.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

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एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 5 अगस्त 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिन्हें प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित है।—

पेटेंट कार्यालय शाखा, टांडी इस्टेट,
तीसरा तल, लोजर परले (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा राजा राज्य क्षेत्र एवं मंच
आयित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता - "पेटेंटॉफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
अन्धप्रदेश राज्य शाखा भवन,
महामन्त्री मार्ग, कर्गोज बाग,
नई दिल्ली-110 005.

हिमाचल प्रदेश, जम्मू
नगर कश्मीर, पंजाब राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं मंच शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटॉफिक"

फोन : 578 2532 फैक्स : 011576 6204

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए),

तीसरा तल, राजाजी भवन, बसन्त नगर,

चेन्नई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पण्डिचेरी राज्य क्षेत्र एवं
मंच शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिब द्वीप।

तार पता - "पेटेंटॉफिस"

फोन : 490 1495 फैक्स : 044-490 1492

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निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपेक्षित
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई
फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण
किये जायेंगे।

शुल्क : शुल्कों की उदाहरण या तो नकद की जागगी अथवा
जहां उपयुक्त कार्यालय अब स्थित है, उस स्थान की अनुसूचित बैंक
से नियंत्रक की भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की
जा सकती है।

CORRIGENDA

In the Gazette of India, Part-III, Sec-2, dated 13th May, 2000, in page-324 col-1 read the Application for Patent No. "601/Del/91" (183894) filed on 5th July, 1991 instead of "01/Del/91".

In the Gazette of India, Part-III, Sec. 2, dated 27th May, 2000, in page-369 col-2 read the Application for Patent No. "1162/Del/95" (192969) filed on 26th September, 1995 instead of "162/Del/1995".

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGDISH BOSE
ROAD, CALCUTTA-700020.

The dates shown in the crescent brackets are the dates
claimed under section 135 under Patent Act, 1970.

01-06-2000

314/Cal/2000. Ratan Kumar Mukherjee. Improved strainer/
filter for ground water.

315/Cal/2000. Albert David Limited. An improved pro-
cess for the preparation of anti-inflammatory
drugs from human placenta.

316/Cal/2000. Tsuge Kenji. Seat assembly for a bicycle.
(Convention No. X1999/155179 filed on 2-6-1999
in Japan).

317/Cal/2000. Osram Sylvania Inc. Electroluminescent
phosphor with high brightness. (Convention No.
09/327.029 filed on 7-6-99 in U.S.A.).

318/Cal/2000. ABB Patent GmbH. Method of safeguard-
ing electrical switchgear, in particular, against
imitation. (Convention No. 19926166.0 filed on
9-6-99 in Germany).

319/Cal/2000. Deutsche Thomson-Brandt GmbH. Method
and apparatus for convergence correction in a
television set. (Convention No(s). 19926487.2
filed on 10-6-99 and 19939344.3 filed on 19-8-99
in Germany).

02-06-2000

320/Cal/2000. Technological Resources Pty. Ltd. A direct
smelting process and apparatus. (Convention No.
PQO763 filed on 04-06-1999 in Australia).

321/Cal/2000. Oosypine Mar-Pack Limited. A process for
preparing fabric like material to be used as deco-
rative fabric or used for making carry bags or
used as banners or sacs or as upholstery for fur-
niture.

5-6-2000

- 322/Cal/2000. Thomson Multimedia. Mpeg stream switching process. (Convention No. 9907713 filed on 18-6-99 in France).
- 323/Cal/2000. Deutsche Thomson-Brandt GmbH. Circuit for correction of deflection errors in a television set. (Convention No. 19927782,6 filed on 18-6-99 in Germany).
- 324/Cal/2000. Thomson Multimedia. Picture compression process, especially of the Mpeg 2 type. (Convention No. 9907714 filed on 18-6-99 and 9907715 filed on 18-6-99 in France).
- 325/Cal/2000. Thomson Multimedia. Process and device for switching digital television programs. (Convention No. 9907712 filed on 18-6-99 in France).

6-6-2000

- 326/Cal/2000. LG Electronic Inc. Damper for refrigerators. (Convention No. 1999-21390 filed on 9-6-99 in Republic of Korea).
- 327/Cal/2000. Janitzki Bernhard Michael. Low tolerance threaded fastener.

7-6-2000

- 328/Cal/2000. Technological resources Pty Ltd. Direct smelting vessel. (Convention No. PQ0835 filed on 8-6-99 in Australia).
- 329/Cal/2000. Metallgesellschaft Aktiengesellschaft. Burner for the partial oxidation of liquid carbonaceous fuels. (Convention No. 19931373.3 filed on 7-7-99 in Germany).
- 330/Cal/2000. Metallgesellschaft Aktiengesellschaft. Process of producing C₄- and C₅-olefins from hydrocarbons. (Convention No. 19000889.5 filed on 12-1-2000 in Germany).
- 331/Cal/2000. General Electric Company. Method and apparatus for fuel gas moisturization and heating. (Convention No. 09/840,510 filed on 1-7-99 in U.S.A.).

8-6-2000

- 332/Cal/2000. Montell North America Inc. A process for producing a catalyst for the polymerization of olefins. (Convention Nos. MI 95 A 000317 & MI 95 A 00318 on 21-2-95 in Italy) Divided out of No. 316/Cal/96 dated 20-2-96.
- 333/Cal/2000. Montell North America Inc. A process for the polymerization of CH₂=CHR olefins. (Convention Nos. MI 95 A 000317 & MI 95 A 00318 on 21-2-95 in Italy) Divided out of No. 316/Cal/96 dated 20-2-1996.
- 334/Cal/2000. Montell North America Inc. A process for producing a catalyst for the polymerization of olefins. (Convention No(s). MI 95 A 00317 filed on 21-2-95 and MI 95 A 00318 filed on 21-2-95 in Italy).
- 335/Cal/2000. Mukherjee Arup. Development of some newer indanyl serotonergic antagonists for utilization in related anxiety and pain.
- 336/Cal/2000. Vertex Pharmaceuticals Inc. Inhibitors of aspartyl protease. (Convention No. 60/139,070 filed on 11-6-99 and 60/190,211 filed on 17-3-2000 in U.S.A.).

9-6-2000

- 337/Cal/2000. Matsushita Electric Industrial Co. Ltd. Optical disc playback apparatus and optical disk playback method. (Convention No. Hei 11-163273 filed on 10-6-99 in Japan).
- 338/Cal/2000. Central Institute of Freshwater Aquaculture. Demand-feed dispenser.

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341/Cal/2000. Fleetguard, Inc. A bypass circuit centrifuge. (Convention No. 08/378,197 filed on 25-1-95 & 08/583,634 filed on 5-1-96 in U.S.A.).

342/Cal/2000. Fleetguard, Inc., A bypass circuit centrifuge. (Convention No. 08/378,197 filed on 25-1-95 & 08/583,634 filed on 5-1-96 in U.S.A.).

12-6-2000

- 343/Cal/2000. Wei Jung-Tsung. Vibration sensing device.
- 344/Cal/2000. Clariant GmbH. Use of improved cyan pigments in electrophotographic toners and developers, powder coating and inkjet inks. (Convention No. 19927835 filed on 18-6-99 in Germany).
- 345/Cal/2000. Lifescan, Inc. Sample detection to initiate timing of an electrochemical assay. (Convention No. 09/333793 filed on 15-6-99 in U.S.A.).
- 346/Cal/2000. Center for Design Research and Development. Stackable chair. (Convention No. 60/140,041 filed on 18-6-99 in U.S.A.).

13-6-2000

- 347/Cal/2000. Gopi Krishna Damani. Sliding window lock.
- 348/Cal/2000. Copeland Corporation. Method and apparatus for machining bearing housing. (Convention No. 09/346,837 filed on 2-7-99 in U.S.A.).

14-6-2000

- 349/Cal/2000. Mrs. R. Sripriya, Mrs. Soni and Mr. P. V. T Rao. A process for the utilisation of the fine oily millscale generated in the finishing mills of integrated steel plants.
- 350/Cal/2000. Jaharlal Bose. A drop chlorination system.

16-6-2000

- 351/Cal/2000. Procurezone. Com. L.I.C., Knowledge-based on-line procurement system and method. (Convention No. Unknown filed on 5-5-2000 in U.S.A.).
- 352/Cal/2000. Eaton Corporation. Friction clutch with impeller fan feature for pressure plate cooling. (Convention No. 353, 322 filed on 14-7-99 in U.S.A.).
- 353/Cal/2000. Satake Corporation. Apparatus for diagnosing nutritious condition of crop in plant field. (Convention No. 171712 filed on 17-6-99 in Japan).

APPLICATION FOR THE PATENTS FILED IN THE
PATENT OFFICE BRANCH, AT TOLI ESTATE,
IIIRD FLOOR, SUN MILL COMPOUND, LOWER
PAREL (WEST), MUMBAI-400 013.

06-03-2000

- 186/Mum/2000. Bharati Vidyaneeh's Poona College of Pharmacy. "An effective immunostimulant herbal formulation for the treatment of acquired immunodeficiency syndrome (AIDS) and a process for the preparation thereof".
- 187/Mum/2000. GPI Nil Holdings, Inc. "Method of using Neurotrophic carbamates and ureas" (Priority Date : 27-2-97), U.S.A.

188/Mum/2000. Narayan Vasant Deshpande. "A foot operated valve system/assembly".

189/Mum/2000. Morgan Construction Company. (Priority Date : 11-3-99 & 31-1-2000), U.S.A. "Rolling mill finishing section".

190/Mum/2000. Mitsui Chemical Inc. (Priority Date : 16-3-99), Japan. "A process for preparing 2-Alkyl-3-Aminothiophene derivatives and 3-Aminothiophene derivative".

191/Mum/2000. Heinz Kaiser Ag. Switzerland. "Boring head".

192/Mum/2000. Dr. Sharad Damodar Mahajan. "Sameru-Yantra i.e. "Pyramidiser".

07-03-2000

193/Mum/2000. Sony Corporation. (Priority Date : 9-3-99 & 1-3-2000), Japan. "Reproducing apparatus and information distribution system".

194/Mum/2000. EMS-Chemie Ag. (Priority Date : 23-3-99), Switzerland. "Adhesion promoter for textile reinforcing inserts, Methods of manufacture and its use".

195/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. (Priority Date : 24-3-99), Japan. "Starter/Generator apparatus for Four-Cycle internal combustion engine".

196/Mum/2000. Prabhakar Deodhar. "A passbook for a banking system".

197/Mum/2000. Central Institute for Research on Cotton Technology. "Improved Double Roller Gin".

198/Mum/2000. Luk Lamellen Und Kupplungsbau GMBH. (Priority Date : 12-3-99 & 5-5-99), German. "Clutch assembly".

08-03-2000

199/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. (Priority Date : 31-3-99), Japan. "Pipe fixing method and main stand for Motorcycle".

200/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. (Priority Date : 31-3-99), Japan. "Leg shield for motorcycle".

09-03-2000

201/Mum/2000. Bayer Akiengesellschaft. (Priority Date : 24-3-99), Germany. "Synergistic insecticidal mixtures".

202/Mum/2000. Premark RWP Holdings, Inc. (Priority Date : 7-4-99), U.S.A. "Lamination of two layers to form solid surface laminate".

203/Mum/2000. Serum Institute of India Ltd. "A method of preparation of antivenom by purification and ultrafiltration".

204/Mum/2000. The Associated Cement Companies Limited. "Process for manufacturing high purity partially or fully stabilised ultra fine zirconia powders by hydrothermal route".

10-03-2000

205/Mum/2000. Ethyl Corporation. (Priority Date : 30-3-99) U.S.A. "Lubricants containing molybdenum compounds, phenates and diarylamines".

206/Mum/2000. Srichandra N. Atreya. "A novel ceramic composition for the manufacture of porcelain tiles, a process for the preparation thereof and porcelain tiles manufactured using said composition".

207/Mum/2000. Premark RWP Holdings, Inc. (Priority Date : 8-4-99), U.S.A. "Thermoplastic acrylic sheet compositions and their use as substitutes for high pressure decorative laminate".

208/Mum/2000. Premark RWP Holdings, Inc. (Priority Date : 12-4-99), U.S.A. "Article with interlocking edges and covering product prepared therefrom".

209/Mum/2000. Endress + Hauser Flowtec Ag. Switzerland. "Electromagnetic flow sensor and method of manufacturing the same".

13-03-2000

210/Mum/2000. Dr. Ashok Vikhe Patil. "Device for adding a component to a package".

211/Mum/2000. Suresh Madhusudan Pethe. "An invention for Electric Fan Regulator prepared from Electronic Components, for the manufacturing process/working process, to avoid the inconvenience/losses".

212/Mum/2000. Shah Nilesh Chandrakant. "An improved conversion kit for a four stroke carburetor I.C. Engine".

213/Mum/2000. Michael Sigfrid Macwan. "Life rescue".

214/Mum/2000. Indian Oil Corporation Ltd. "A multi stage selective catalytic cracking process and a system for producing high yield of middle distillate products from heavy hydrocarbon feedstock".

14-03-2000

215/Mum/2000.—Ashok Kumar & Sidharth Kumar. "A novel hologramed laminate and a process for producing the same".

216/Mum/2000. Dr. Kavita Bhatia Shetty. "Dental (tooth) brush with dual kinds of system of hard as well as soft bristles".

217/Mum/2000. Fuji Electric Co. Ltd. (Priority Date : 24-3-99), Japan. "Power conversion apparatus".

218/Mum/2000. Sony Corporation. (Priority Date : 25-3-99, 26-6-99 & 8-12-99), Japan "Editing apparatus and Editing method".

219/Mum/2000. Amit Anil Raje. "An improved energy meter with tamper detector device".

220/Mum/2000. Patel Nilesh Veljibhai. "Design of pressure cooker handle and its components".

15-03-2000

221/Mum/2000. Rohm and Haas Company. (Priority Date : 25-3-99), U.S.A. "Method of improving viscosity stability of aqueous composition".

222/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. (Priority Date : 30-3-99), Japan. "Side valve type four-cycle engine".

223/Mum/2000. Dr. Daftary Gautam Vindo. "A process for preparation of sterile amphotericin-B oil-in-water emulsion with reduced toxicity suitable for parenteral administration".

224/Mum/2000. Jaishankar Sidhanand Nirody. "Improved local train information display system".

16-03-2000

225/Mum/2000. Hindustan Lever Limited. "Improved detergent composition".

226/Mum/2000. Sanjiv Satyendra Nevgi & Mrs. Shaila Sanjiv Nevgi. "Modified plastic granules for manufacturing flammable type polythene film".

227/Mum/2000. Bharat Bhogilal Patel. "Tablets drilling laser machine".

228/Mum/2000. Pfizer Inc. U.S.A. "Resorcinol composition". (Priority Date : 22-3-99).

229/Mum/2000. Pfizer Inc.
Resorcinol Derivatives.
(Priority Date 22-3-99), U.S.A.

230/Mum/2000. Tecnomeccanica S.r.l.
A device for copacting and holding a loose solid substance dosed at regular intervals on a mobile conveyor belt which is permeable to air.
(Priority date 26-3-99), ITALY.

231/Mum/2000. Prem Saraogi.
Post extrusion device for synthetic polymer tubes.

232/Mum/2000. Prem Saraogi.
Apparatus for aesthetically improving the side walls of cylindrical containers.

21-03-2000

233/Mum/2000. The Anil Starch Products Ltd.
Cold water soluble starch as adhesive for paper to paper lamination and process for the same.

234/Mum/2000. Praxair Technology Inc. U.S.A.
Method of using of oxygen to eliminate carbon dioxide poisoning in aerobic fermentation.

235/Mum/2000. Godrej Soaps Ltd.
Toilet soap composition.

236/Mum/2000. Godrej Soaps Ltd.
Toilet soap composition.

237/Mum/2000. Godrej Soaps Ltd.
Conditioning shampoo for hair dye users.

238/Mum/2000. Godrej Soaps Ltd.
Floor cleaner composition.

239/Mum/2000. Godrej Soaps Ltd.
A process for removal of non fatty acid materials from fatty acids.

240/Mum/2000. Godrej Soaps Ltd.
A process for sulphur removal from fatty materials.

241/Mum/2000. Godrej Soaps Ltd.
A process for purification of fatty acids.

242/Mum/2000. Godrej Soaps Ltd.
A non aerosol shaving gel composition.

243/Mum/2000. Godrej Soaps Ltd.
Hair Colour composition.

244/Mum/2000. Godrej Soaps Ltd.
Herbal wrinkle control cream composition.

245/Mum/2000. Maulana Azad College of Technology.
An improved almen gauge device.

246/Mum/2000. Alsons Corporation.
Showerhead engine assembly.
(Priority date 8-4-99), U.S.A.

247/Mum/2000. Sony Corporation.
Reproducing apparatus and reproducing method.
(Priority date 26-3-99 29-6-99 & 27-1-2000), Japan.

248/Mum/2000. Imphy Ugine Precision.
S of magnetic alloy for use in horlogy.
(Priority date 2-4-99), France.

22-03-2000

249/Mum/2000. Hindustan Lever Limited.
A process for preparing black tea.

250/Mum/2000. Lentin Pesi.
On line water purifier.

251/Mum/2000. Georgia Tech Research U.S.A.
Full-fashioned weaving process for production of a woven garment with intelligence capability.

252/Mum/2000. Patwardhan Bhaskar Vitthal.
Invention relating to Engine Coolent Level Indicator.

253/Mum/2000. Tata Johnson Controls Automotive Limited.
Side bolsters for vehicle seats.

254/Mum/2000. Dr. Kishore Harbada.
A method of extracting biologically active extracts from plant materials with a supercritical fluid.

23-03-2000

255/Mum/2000. Hindustan Lever Limited.
An improved composition for topical application.

256/Mum/2000. Dr. Bantval Prabhakara Baliga.
An invention for the process of manufacturing technical grade concentrated karanjin.

257/Mum/2000. Montres Rolex S.A.
Self-compensating spiral for a balance-wheel in watchwork and process for treating this spiral.

258/Mum/2000. Bayer Aktiengesellschaft.
(—)—Enantiomer of 2-(2-(1-Chloro-Cyclopropyl)-2-Hyd.oxy-propyl)-2, 4-Dihydro-1 (1,2,4) Triazole-3-Thione.

259/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha.
Control unit for controlling bypass in throttle body.
(Priority date 31-3-99), Japan.

260/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha.
Balancer for vehicular engine.
(Priority date 31-3-99), Japan.

261/Mum/2000.—Honda Giken Kogyo Kabushiki Kaisha.
Sound arresting structure for internal combustion engine of the unit swing type.
(Priority date 31-3-99), Japan.

262/Mum/2000. Sulzer Chemtech Ag.
Method for shaping strip like films.

263/Mum/2000. Dr. Henriques Bosco Maria Agnelo.
"Membrane, a process for preparing for preparing the same and holder for the membrane".

24-03-2000

264/Mum/2000. Hindustan Lever Limited. "Method for imparting a fried onion aroma to foodstuffs".

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Application for Grant of Exclusive Marketing Rights (EMR)

Two applications for grant of FMR on 'NOVEL COMPOUNDS' were filed by Smithkline Beecham P.L.C. Of England, a British Company on 30th June 2000 against the corresponding Patent Application numbers 2504/Del/98 and 2505/Del/98 both dated August 25, 1998 and both application were allotted FMR application numbers as EMR/2/2000 and EMR/3/2000 dated June 30, 2000.

2-187 GI/2000

ALTERATION OF DATE

184302 filed on 30-07-93.

797/Del/93 Ante dated to 02-08-89.

184314 Ante dated to 24th June 1996. (979/Cal/98).

184320 Ante dated to 29th August 1996. (1143/Cal/98).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनों में से किसी पर पेटेंट अन्तर्गत के विरोध करने के इच्छुक व्यक्ति, इसके निर्णय की तिथि से चार (4) महीने या अधिक ऐसी अवधि की उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रकरण 4 पर अग्र आवेदन हो, एक महीने की अवधि से अधिक न हो के भीतर की जाये। एक एकत्रित की उपबन्धन कार्यालय में लगे विरोध की मर्यादा विहित प्रकरण 7 पर दी गयी है। विरोध संबंधी लिखित दस्तावेज दी प्रतियों में माध्य की माह, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-26 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संबंध में जो कि विनिर्देशन प्राप्ति के भीतर तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुसार है।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 35 D & 128 G.

184301

Int. Cl.⁴ : A 61 K 6/06 & C 04 B 22/16.

DENTAL CEMENT COMPOSITION.

Applicant : BRITISH TECHNOLOGY GROUP LTD., A BRITISH COMPANY, OF 101 NEWINGTON CAUSEWAY, LONDON SE1 6BU, ENGLAND.

Inventors : ADEMOLO OLASENI AKINMADE, GB JULIAN HUGH BRAYBROOK, GB.

Application for Patent No. 132/Del/93 filed on date 15-02-93.

Convention Date : 19-02-92/9203510.4/GB.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

16 Claims

A dental cement composition, comprising an intimately blended mixture of a water containing liquid of the kind such as herein before described, at least 30% by weight of the composition being a cation-catalysed cross-linkable polymeric acid containing on average one phosphonic acid group per one to three backbone carbon atoms and metal oxide such as herein described or cationleachable surgically acceptable aluminosilicate glass powder optionally in admixture with boron phosphate in the proportions (I minus X) g phosphonic acid : 1 to 5g glass : x g liquid, where X is from 0 to 0.7, and the balance if any comprising of a conventional chelating agent such as herein described characterised in that said acid has been pre-reacted in aqueous solution at elevated temperature with a fluoride and/or phosphate prior to blending.

(Compl. Specn. : 23 pages;

Drgn. Nil sheet)

Ind. Cl. : 32E

184302

Int. Cl.⁴ : C 08 G 18/14, C 08 J 9/00

"A PROCESS OF PRODUCING A SYNTHETIC RESIN FOAM".

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 3-1, 3-CHOME, NAKAN-SHIMA, KITA-KU, OSAKA, JAPAN.

Inventor(s) :

SHIGERU MOTANI—JAPAN,
TADAYUKI SAITO—JAPAN,
TOSHIYA ITO—JAPAN.

Application for Patent No. 797/Del/93 filed on 30-07-93.

Divisional out of Patent Application No. : 681/Del/89 filed on 02-08-89.

Ante dated to 02-08-99.

Appropriate office for opposition proceedings (Rule 4, (Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for producing synthetic resin foam comprising the steps of :—

(A) Forming a mixture of

(a) a synthetic resin as herein,

(b) 0.1 to 2 parts of fine mineral powder of the kind as herein described having hydroxyl groups of particle size not more than 1000 mm and

(c) 0.5 to 5 parts of cell controlling agent as herein defined.

(B) incorporating a volatile type foaming agent as herein described and water in an amount 0.2 to 1.5 parts into the said mixture and

(C) extruding the said mixture to form a foam wherein said parts all are by weight per 100 parts by weight of said synthetic resin.

(Compl. Specn. : 22 pages;

Drg. : 4 sheets)

Ind. Cl. : 32 F 2(a) & 60Xd.

184303

Int. Cl.⁴ : C 07 J 5/00 & A 61 K 31/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF SAPOGENIN PRODUCT.

Applicant : CUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA (AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT, ACT XXI OF 1860).

Inventors :

1. MANOBYOTI BORDOLOI,
2. NABIN CHANDRA BARUA,
3. PRITISH KUMAR CHOWDHURY,
4. RAJ KUMAR MATHUR &
5. ANIL CHANDRA GHOSH (INDIAN).

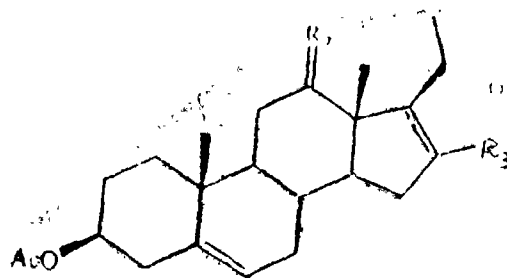
Kind of Application : Complete

Application for Patent No. 431/Del/95 filed on 14-03-1995.

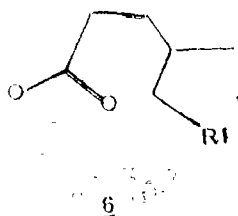
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

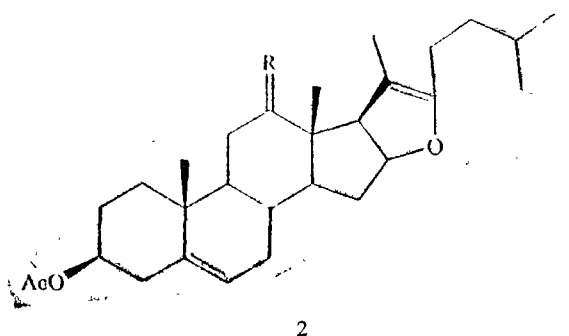
An improved process for the production of sapogenin product of the general formula 4.



wherein R_3 -H or X and R_2 -H, O, H & OH or H & OAC or their esters and X represents formula 6



wherein R_1 OAC/NHAC which comprises oxidising steroidal compound of the general formula 2



wherein R_1 - OAC/NHAC and R_2 - H, O, H & OH or H & OAC under ultrasound treatment at 20 to 55 KHZ in the presence of conventional oxidising agent and optionally in presence of polyhalogenated organic solvents or hydrocarbon solvents followed by recovering by conventional solvent extraction method.

(Compl. Specn. 24 Pages;

Drng. 2 Sheets)

Ind. Cl. : 32 F3(a).

184304

Int. Cl. : C07C 79/38.

A PROCESS FOR THE SYNTHESIS OF NOVEL (3S)-METHYL, 2-SUBSTITUTED-1, 2, 3, 4-TETRAHYDRO-9H-PYRIDO (3, 4-B) INDOLE-3 CARBOXYLATE

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA (AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT OF XXI OF 1860).

Inventors :

1. RAVISH CHANDRA TRIPATHI
2. ANIL KUMAR SAXENA &
3. RAM RAGHUBIR (INDIA).

Kind of Application : Provisional/Complete.

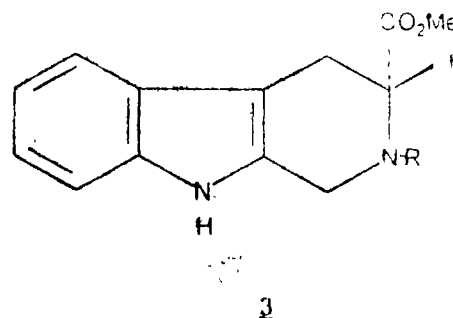
Application for Patent No. 502/Del/95 filed on 21-03-1995.

Complete left after provisional specification filed on 29-9-1995.

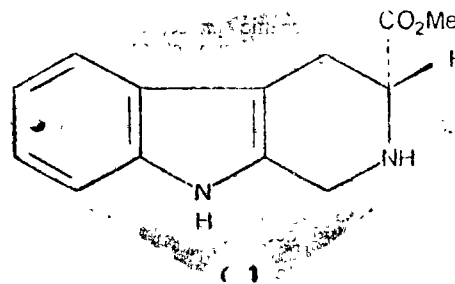
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A process for the synthesis of novel (3S)-methyl 2-substituted-1, 2, 3, 4-tetrahydro-9H-pyrido (3, 4-b) indole-3-carboxylate of the formula 3.



where R=aryl, arylalkanoyl, arylalkenyl, quinolenyl optionally substituted with groups like halo, alkoxy, acetyl, benzyloxy which comprises condensing (3S)-methyl-1, 2, 3, 4-tetrahydro-9H pyrido (3, 4-b) indole-3-carboxylate of the formula 1.



with an acid chloride of the Formula 2



2

where R represents aryl, arylalkanyl, arylalkenyl, quinolenyl in the presence of a conventional aprotic solvent and conventional organic a base at a temperature ranging from 70 to 100°C for a period ranging from 6-12 hours to give the corresponding (3S)-2-substituted-1, 2, 3, 4-tetrahydro-9H-pyrido-(3, 4-b) indole 3-carboxylates of the formula 3 where R has the meaning given above.

(Provisional Specification 6 Pages).

(Compl. Specn. 9 pages

Drngs. 1 sheet).

Ind. Class : 60 X1, 55D1.

184305

Int. Cl. : A01N 65/00.

A PROCESS FOR THE PREPARATION OF AN EXTRACT CONTAINING UPTO 88% OF AZADIRACTIN FROM NEEM SEEDS/KERNELS, AS A DRY POWDER.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AKELA VENKATA BHAVANI SANKAR, MADUGULA MARTHANDAMURTHY, AKKEWAR DATTATRAY MANOHAR MUKKAMALA SUBRAMANYAM, VEDALA SRINIVASA SINGARI RAM GOPAL & VURUGANTI SRIHARI.

Kind of Application : Complete.

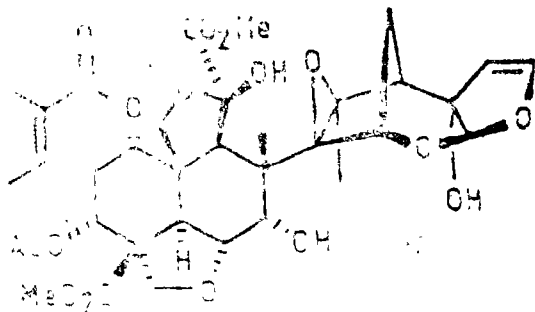
Application for Patent No. 1919/Del/95 filed on 19-10-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A process for the preparation of an extract containing upto 88% of azadirachtin from neem seeds/kernels, as a dry powder, which comprises :

- (a) disintegrating the neem seeds/kernels into powder,
- (b) characterised in that said powder is subjected to continuous batch percolation using polar solvents such as methanol or aqueous methanol, or ethanol (rectified spirit) or aqueous ethanol at ambient temperature,
- (c) concentrating the extract and stirring the concentrate with non polar solvent such as petroleum ether (b.p. 60—80°C) or hexane, separating heavy phase by conventional methods,
- (d) stirring the said heavy phase containing azadirachtin using a water immiscible organic solvent optionally alongwith water in case not used in step (b) and phase separating by conventional methods,
- (e) concentrating the organic phase, adding gradually the concentrate to petroleum ether (b.p. 60—80°C) or hexane under stirring at ambient temperature,
- (f) filtering and drying the solids under vacuum at a temperature in the range of 25—65°C for obtaining an extract as a powder containing 10.0—19% of azadirachtin.
- (g) redissolving it in organic solvent such as dichloromethane and ethyl acetate,
- (h) adding the solution to petroleum ether (b.p. 60—80°C) or hexane under stirring and filtering the solid and drying to give a white powder containing 15—26% of azadirachtin.
- (i) subjecting azadirachtin obtained in step (f) or (h) to step-wise open column chromatography resulting in a powder containing 65% followed by HPLC using C18 bonded silica gel as stationary phase and methanol water (6/4) as eluent to get extract containing upto 88% azadirachtin.



(Compl. Specn. 42 pages)

Drgns. 1 sheet).

Ind. Class : 55F.

184306

Int. Cl.⁸ : A 61K 3/00.

AN IMPROVED PROCESS FOR THE ISOLATION OF CAROTENES FROM CRUDE PALM OIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : THENGUMPILLIL NARAYANA BALAGOPALA KAIMAL, RAJKUMAR BANERJEE, ARBINDA CHAUDHURI, BHAMIDIPATI VENKATA SURYA KOPPESWARA RAO AND UDAY TRIAMBAKARAJ BHALERAO.

Application for Patent No. 2367/Del/95 filed on 21-12-95.

Complete left after provisional specification filed on 14-8-96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

An improved process for the isolation of carotenes from crude palm oil which comprises (a) contacting the crude palm oil in an organic solvent by known methods with trimethylchlorosilane treated montmorillonite K-10 clay at ambient temperature under inert atmosphere at a temperature range of 30° to 65°C for a period in the range of 2—20 minutes with minimum exposure to light to adsorb carotene, (b) filtering out the clay containing the adsorbed carotenoids and (c) eluting the said clay with polar organic solvents using known methods.

(Provisional specification 5 pages).

(Compl. specn. 8 pages).

Ind. Class : 55F.

184307

Int. Cl.⁸ : C07C 33/05.

AN IMPROVED PROCESS FOR THE PREPARATION OF FATTY ALCOHOLS FRACTION MAINLY CONTAINING 1-TRIACONTANOL FROM RICE BRAN WAX.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

THENGUMPILLIL NARAYANA BALAGOPALA KAIMAL,
RACHAPUDI BADARI NARAYANA PRASAD
PRAGADA ACHUTA RAMALINGASWAMY AND
UDAY TRIAMBAK BHALERAO (INDIAN).

Kind of Application : Provisional/complete.

Application for Patent No. 2444/Del/95 filed on 29-12-95.

Complete left after provisional filed on 17-3-97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

An improved process for the preparation of fatty alcohols fraction mainly containing 1-triacontanol from rice bran wax which comprises saponifying the defatted rice bran wax with an 1:1 equivalent alkali solution of concentration in the range of 50—67% by weight under inert atmosphere at a pressure in the range of 1—10 kg/cm², at a temperature of in the range of 120—200°C for a period in the range of 2—6 hr, extracting the saponified product by known methods such as herein described using organic solvent when still under pressure and temperature above 100°C cooling to ambient temperature, filtering and recovering the precipitated fatty alcohols fraction containing 1-triacontanol washing with the same organic solvent to yield fatty alcohols fraction containing 25—30% of 1-triacontanol.

(Provisional specification 4 pages)

(Complete specification 18 pages)

Ind. Cl. : 32F(1).

184306

Int. Cl.⁴ : C07J, 3 / 00.

AN IMPROVED PROCESS FOR THE PRODUCTION
OF 17-KETESTEROIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. PARINITA BORAH
2. PRITISH KUMAR CHOWDHURY &
3. ANIL C. GHOSH (INDIAN).

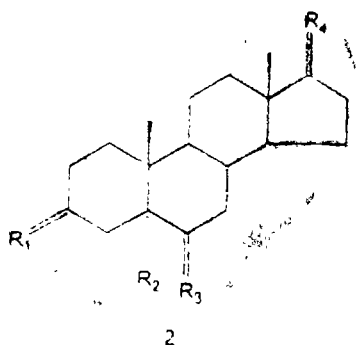
Kind of Application : Complete.

Application for Patent No. 2465/Del/95 filed on 29-12-1995

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

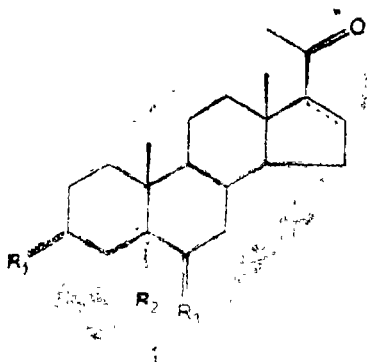
8 Claims

An improved process for the preparation of 17-ketosteroids of the formula 2.



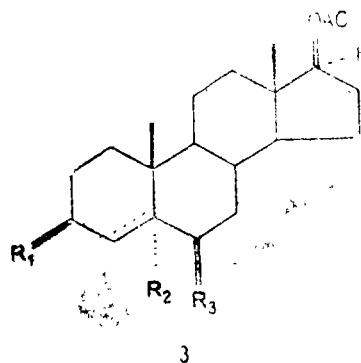
wherein Δ 3, $R_1=R_4=O$, $R_3=H_2$ or $R_1=R_4=O$, $R_2=H$, $R_3=H_2$ or $R_1=R_4=O$, $R_2=Br$ or Cl , $R_3=Br$ or Cl , $'''H$ or Δ 3, $R_4=R_3=R_4=O$ shown in the drawing accompanying this specification which comprises:

(a) Oxidizing, 20=ketosteroids by selective Baeyer-Villiger oxidation of the formula 1



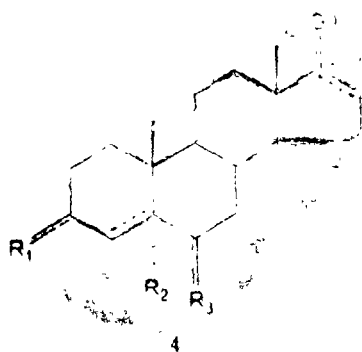
wherein Δ^3 , $R_1=O$, $R_3=H_2$ or $R_1=O$, $R_2=H$, $R_3=H_2$ or $R_1=\text{OAC}$, $R_2=H$, $R_3=H_2$ or $R_1=\text{OAC}$, $R_2=Br$ or Cl , $R_3=$

Br or Cl, ^3H or Δ^3 , Δ^{16} , $\text{R}_1=\text{R}_3=\text{O}$ using peracids in presence of a lewis acid in an organic solvent at a temperature in the range of 0 to 300°C to obtain 17-acetoxysteroids of the formula 3



wherein R₁, R₂ & R₃ has the meaning given above.

(b) Hydrolysing the resultant 17-acetoxysteroids of the formula 3 as obtained above by mild alkaline hydrolysis to produce the corresponding 17-hydroxysteroids of the formula 4



wherein R₁, R₂ & R₃ has the meaning given above, then optionally hydrolysing to give the 17-ketosteroids of the formula 2.

where $\Delta^3, R_1=R_3=R_4=0$.

(c) Oxidizing the resultant 17-hydroxysteroids of the formula 4 using conventional oxidant to produce the corresponding 17-ketosteroids of the formula 2.

(Compl. Secn. 29 Pages:

Drng. 1 Sheet)

Ind. Cl. : 32F2(d).

184309

Int. Cl.⁴ : C07D 277/62.

A PROCESS FOR PREPARING A FUNGI RESISTANT PLASTICS MATERIAL.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF 15 STANHOPE GATE, LONDON W1Y 6LN, ENGLAND.

Inventor : PETER WILLIAM AUSTIN (U.K.).

Kind of Application : Complete/Convention.

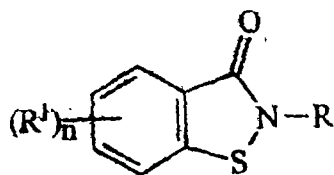
Application for Patent No. 2485/Del./95 filed on 29-12-1995.

Convention date 17-1-95/950085611/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A process for preparing a fungi resistant plastics material characterized in that treating a plastics material such as herein described with a 2-alkyl or 2-aralkyl-1, 2-benzisothiazolin-3-one derivative of formula 1.



wherein

R¹ is hydroxy, halogen, C₁₋₃-alkyl or C₁₋₃-alkoxy;

R is C_{n-8}-alkyl, cycloalkyl or aralkyl which contains at least 2 carbon atoms linking the aryl group to the nitrogen atom and where the alkyl or aryl group may be optionally substituted; and n is from 0 to 4.

(Compl. Specn. 23 Pages)

Ind. Cl. : 55E, 60 X2(a) + (d), 32F2 (a). 18:310

Int. Cl.⁴ : A 61 K 31/00.

A PROCESS FOR PREPARING CAMPTOTHECIN DERIVATIVES, PHARMACEUTICALLY ACCEPTABLE SALTS, IT.

Applicant : CHONG KUN DANG CORP. 410, SHINDO-RIM-DONG, GUROGU, SEOUL 152-070, KOREA, REPUBLIC OF KOREA, (A KOREA FIRM).

Inventors :

1. SANG SUB, JEW-KOREA
2. HEE SOON, LEE-KOREA
3. JOON KYUM, KIM-KOREA
4. KWANG DAE, OK-KOREA
5. KYEONG HOI, CHA-KOREA
6. MYOUNG GOO, KIM I-KOREA
7. KWANG KYUN, LEE-KOREA,
8. JONG MIN, KIM-KOREA,
9. HEE JIN, KIM-KOREA AND
10. JEONG MI, HAH-KOREA.

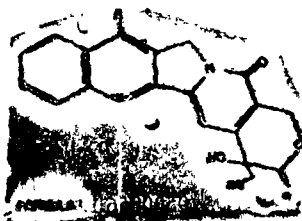
Kind of Application : Complete/Convention.

Application for Patent No. 44/Del/1996 filed on 8-1-1996.

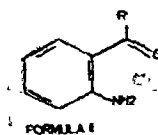
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

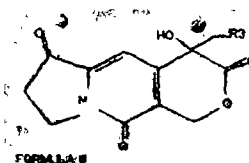
A process for manufacturing the camptothecin derivatives and pharmaceutically acceptable salts thereof of general formula (I)



wherein aminoketone of formula (II)



is reacted with tricyclic ketone of formula (III)



in the proportion 1-5 : 1 under acidic conditions at 30—150°C for 1-48 hours, wherein R is hydrogen or —(CH₂)₂—NR₁R₂ (R₁ is hydrogen or a general protecting group of amine; R₂ is a lower alkyl, hydroxyethyl or acetoxyethyl; further R₂ may form heterocyclic compound by binding with an adjacent nitrogen);

R¹ is hydrogen or (CH₂)—NR₁R₂ (R₁ is a general protecting group of a amine; R₂ is a lower alkyl, hydroxyethyl or acetoxyethyl; further, R₂ may form heterocyclic compound by binding with an adjacent nitrogen);

n is 1 or 2; R₃ is hydrogen or —OR₄ (R₄ is hydrogen or C R₅ (R₅ is methyl or CH₃ OCH₂); C NH R₆ (R₆ is isopropyl), phenyl or CH₂

CH₂ OR, (R₇ is methyl, ethyl or CH₃OCH₂CH₂

wherein n is 2 and R₄ is hydrogen, R is not hydrogen; and when n is 2 and R₃ is hydrogen, R is not hydrogen; also, when R is CH₂CH₂NHCH₃ R₃ is not hydrogen.

Agent : Anand & Anand, New Delhi.

(Compl. Specn. : 61 pages;

Drg. : 2 sheets)

Ind. Cl. : 129 J

184311

Int. Cl.⁴ : B 21 B, 35/02, 41/10

"DEVICE FOR THE ASYMMETRIC DEPOSITING OF LOOPS".

Applicant : DANIELI & C OFFICINE MECCANICHE SPA, OF VIA NAZIONALE, 33042 BUTTRIO (UD), ITALY.

Inventor :

1. GEREMIA NONINI
2. GIUSEPPE BORDIGNON

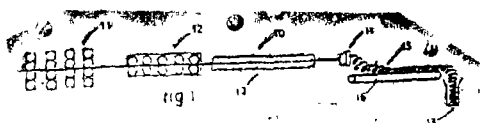
Application No. : 612/Cal/95 filed on 29-05-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

07 Claims

Device for asymmetric depositing of loops, which cooperates with a coil-forming station (17) comprising at least one staking element (18) positioned within a coil-forming chamber (29), the loops (15) being fed by a conveyor

means (16) the downstream end of which cooperates directly with the intake of the coil-forming station (17), the device being characterised in that a plurality of rotary guide cams (22) is included in cooperation with the coil-forming chamber (29) or with the stacking element (18) and above the latter (18) and can rotate in a synchronised manner with stationary axes (23) of rotation, the guide cams (22) having substantially the same outline as each other and being arranged in an angularly variable manner which can be varied from a minimum value to a maximum value and viceversa within an arc of 180°. The outlines of the guide cams (22) as a whole defining a circumference having a diameter approximately equal to the diameter of the loops (15) and smaller than the diameter of the coil-forming chamber (29), the guide cams (22) in rotation defining progressively a circumference of a passage with a maximum eccentricity in one direction and a circumference of a passage with a maximum eccentricity in the opposite direction after passing through a circumference of a passage coaxial with the axis (27) of the stacking element (18).



(Compl. Specn. : 14 pages; Drgns. : 02 sheets)

Ind. Cl. : 150E, 150C, 151E. 184312

Int. Cl.⁴ : B 23 G 1/00.

"THREADED JOINT FOR PIPES".

Applicant : 1. VALLOUREC OIL & GAS OF 54, RUE ANATOLE FRANCE, 59620 AULNOYE-AYMERIES, FRANCE. 2. SUMITOMO METAL INDUSTRIES OF 5-33 KITAHAMA 4-CHOME, HUO-KU-OSAKA-SHI, JAPAN.

Inventors :

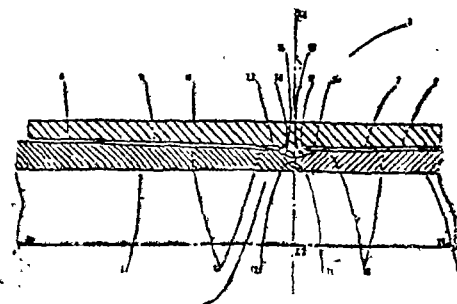
1. THIERRY NOEL
2. TAKUYA TSUJIMURA

Application No. 634/Cal/95 filed on 5-6-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

Threaded joint for metal pipes comprising a sleeve (10, 41) provided with two female housing (8,9,57) each of which being provided with internal threads in which the male element (2, 3, 37, 38, 54) of two metal pipes each of which being provided with external threads are engaged by means of screwing, these male elements each comprising on their end a non-threaded abutment zone, ending in an end face (11, 12, 35, 36) characterized in that the end faces of the male elements bear one upon the other in the screwed down position, and produce a metal-metal contact. The non-threaded peripheral zone of each male component adjacent to the end face comprising a tapering convex surface (14, 15, 33, 34) having as its axis that of the male element, this tapering convex surface being suitable for coming into contact, once screwing is completed, with a tapering concave surface (19, 20, 42, 43) of the female housing, with positive interference, creating a sealing metal-metal bearing surface, shoulder stops (16, 17) allowing precise axial positioning of the male elements so that the end faces in their abutted, screwed down position are positioned in a tolerance zone well defined with respect to the median plane of the sleeve.



(Compl. Specn. : 25 pages; Drgns. : 04 sheets)

Ind. Cl. : 32 F1

184313

Int. Cl.⁴ : A 61 K 31/00

"AN IMPROVED PROCESS FOR THE PREPARATION OF A HALOGEN SUBSTITUTED VINYL ISOTHIOCYANATE".

Applicant : LAPORTE INDUSTRIES LIMITED OF NATIONS HOUSE, 103 WIGMORE STREET, LONDON W 1H 9AB ENGLAND.

Inventors :

1. JAMES IAN GRAYSON
2. GRAHAM HEYES
3. ARTHUR JACKSON
4. JAMES ORROCK MACGREGOR
5. BRIAN JOHN SOMERVILLE

Application No. : 973/Cal/98 filed on 01-06-1998.

Convention No. 9712409.3 filed on 14-6-97 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

An improved process for the preparation of a halogen substituted vinyl isothiocyanate, which process comprises contacting a halogen substituted allyl thiocyanate, in solution of an aliphatic cycloaliphatic or aromatic hydrogen or chlorinated hydrocarbon such as herein described and at an elevated temperature within the range from 50°C to 150°C with an acidic material being a mineral acid, an aliphatic acid of formula R₃COOH (where R₃ is C₁₋₂ alkyl), a halide or oxyhalide of an organic acid or an organic sulphonic acid or an organic sulphonate, wherein the acidic material is present in an amount between 1 and 25 mole % of allyl thiocyanate which is either an acid or a halide or oxyhalide of an inorganic acid to produce the desired product.

(Compl. Specn. : 14 pages; Drgns. : Nil)

Ind. Cl. : 77 A

184314

Int. Cl. : C 07 C 67/02, C 12 N 11/10, 11/12, C 11 B 3/02

"A PROCESS FOR THE INTERESTERIFICATION OF MONO-DI- OR TRIGLYCERIDES".

Applicant : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020.

Inventors :

1. MARTIN ROGER GROTE
2. JOHAN PAUL T. GEURTSSEN
3. KAREL P A M VAN PUTTE

Application No. : 979/Cal/98 filed on 2-6-98.

Divided out of no. 1166/Cal/96 ante-dated to 24-6-1996.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

01 Claims

A process for the interesterification of mono-, di- or triglycerides, in which, under the catalytic action of a lipase, fatty acid groups are exchanged on a glycerol backbone wherein the lipase is an immobilized enzyme obtained by

(1) preparing an emulsion comprising a continuous hydrophobic phase such as herein described and a dispersed aqueous phase in which aqueous phase are dissolved the lipase and material suitable to act as carrier for the lipase when the next step is carried out,

(2) removing water from the dispersed phase until this phase turns into solid particles consisting of carrier material coated with lipase.

(Com. Specn. : 18 pages;

Drgns. : 02 sheets)

Ind. Cl. : 67 C

184315

Int. Cl.⁴ : G 07 C 9/00

"APPARATUS FOR SETTING/REGISTERING DATA FOR TIME RECORDER".

Applicant : AMANO CORPORATION OF 275, MAMEDO-CHO, KOHOKU-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN.

Inventors :

MASAKI HORIIKE AND
MASAYUKI MOCHIZUKI

Application No. : 1131/Cal/95 filed on 20-09-1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

02 Claims

An apparatus for setting/registering data for a time recorder (1), wherein the said time recorder comprising :

a card insertion slit (2) in an upper surface of the time recorder (1);

a plurality of control buttons BT (3 to 8) arranged, side by side, in a lateral row at an area adjacent to the said card insertion slit indicating various items relating to worker's attendance ;

display lamps (BR) for those said control buttons 3 to 8;

a displayer (9); characterised in that the said apparatus for setting/registering data comprises :

a CPU (Central Processing Unit) (20) which constitutes the center of a control unit;

a ROM (read only memory) (21) for storing a system Program;

a RAM (random access memory) (22) for storing various setting data;

an inside clock (23) for outputting a reference clock signal;

an interface circuit (24) is connected to a bus which is connected to the said CPU;

a card transfer device (25) for transferring a time card TM or a setting card T inserted in the said insertion slit in accordance with the program stored in the ROM;

a printing device (26) for printing the attendance data on the said time card inserted;

a first and a second sensor (27, 28) for detecting a cut-out formed in a lower edge of the said time card inserted and a cutout Ts formed likewise in a lower edge of the said setting card in order to discriminate the front of the cards from the back of the cards, respectively, and

a voice producing device (29) for producing various messages and operations of these components parts are controlled in accordance with the system program stored in the ROM.

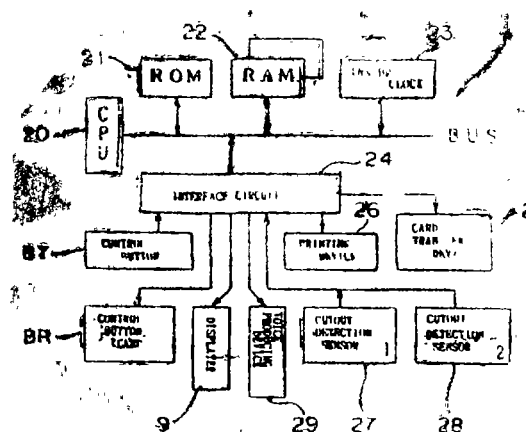


Fig.2

(Com. Specn. : 22 pages;

Drgns. : 8 sheets)

Ind. Cl. : 108 C

184316

Int. Cl.⁴ : C22C 38/36

"A CONTROLLED COOLING PROCESS FOR THE PRODUCTION OF HIGH CARBON STEEL WIRE RODS WITH ENHANCED PROPERTIES AND DRAWABILITY".

Applicant : THE TATA IRON & STEEL CO LTD. OF BOMBAY HOUSE, 24, HOMI MODY STREET, MUMBAI-400 001, MAHARASHTRA, INDIA.

Inventors :

1. KAMLESHWAR PRASAD SHUKLA
2. SANJAY CHANDRA

Application No. : 1135/Cal/95 filed on 20-09-1995.

Complete Specification Left on 18-9-1996.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

05 Claims

A controlled cooling process for the manufacture of high carbon steel wire rods with enhanced properties and drawability wherein the process comprises the steps (a) passing wire rods after hot rolling on a conveyor through cooling boxes having a precise flow control device of hot water for very sharp cooling at the beginning, but controlled to reach a predetermined minimum temperature and

(b) immediately followed by controlled auto-heating to reach within +5°C of the predetermined transformation temperature specified and the process closely resembles a V-path of cooling and heating cycle for enhanced properties like finer peralitic structures.

(Provn. Specn. : 6 pages)

(Com. Specn. : 09 pages;

Drgn. : 1 sheet)

Ind. Cl. : 196 B₂

1,84317

Int. Cl.⁴ : B 60 H 1/00

"HEATING AND/OR AIR-CONDITIONING INSTALLATION".

Applicant : BEHR GMBH & CO. OF MAUSERSTRASSE
3, 70469 STUTTGART, GERMANY.

Inventors :

1. WALTER DENK
2. WOLFGANG KNIEL
3. DIPL-ING RALF MARTIN
4. DIPL-ING VLADIMIR NEUMAN
5. DIPL-ING WERNER RAULAND
6. LEOPOLD SECZER

Application No. 1448/Cal/95 filed on 14-11-1995.

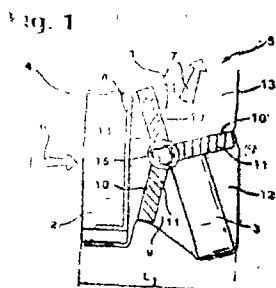
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

Heating and/or air-conditioning installation, especially for a passenger compartment of a motor vehicle, having a housing (1) containing at least one heater (3) and one vaporizer (2), inlet and outlet opening (4, 5) and channels (8, 9) connecting the latter, for causing air to flow selectively through the vaporizer, the heater or both of them, and control means associated with the channels (8, 9) for closing or opening the channels and for determining the free cross-section for the air volume passing there through;

characterized in that,

control means comprising mounting frames (10, 10', 24, 31, 38, 42) adapted to the cross-section of said channels (8, 9) with a plurality of lamellae (11, 26, 27, 33, 34, 36, 37, 43, 44) guided in the frame so as to cover the entire cross section of the frame, thereby achieving smaller overall dimension, and the swing angle of said lamellae providing improved intermixing of two air flows from said vaporizer and said heater.



(Com. Specn. : 17 pages;

Drgns. : 5 sheets)

Ind. Cl. : 26

184318

Int. Cl.⁴ : A 46 B 5/06

TOOTHBRUSH WITH A ONE PIECE, PLASTIC INJECTION MOULDED BRUSH BODY.

Applicant : CORONET-WERKE GMBH OF POSTFACH
1180, 69479 WALD-MICHELBAACH, GERMANY.

Inventor : GEORG WEIHRAUCH.

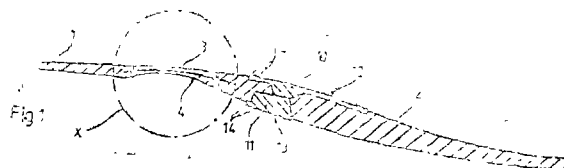
Application No. 1096/Cal/95 filed on 12-09-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3-187 GI/2000

25 Claims

Toothbrush with a one-piece, plastic injection moulded brush body, comprising a substantially rigid head receiving the bristles, a substantially rigid handle and a tapered neck connecting them which has a spring part made from a material with a higher modulus of elasticity than the plastic of the bristle body, characterised in that the spring part ((4) comprises of plastic and is at least partly embedded in the plastic of the brush body, accompanied by the formation of the neck (3).



(Compl. Specn. 13 pages;

Drgns. 2 sheets)

Ind. Cl. : 32 F₂ (c)

184319

Int. Cl.⁴ : C 07 c 89/00, A 61 K 31/00.A METHOD OF PRODUCING α -AMINO ALCOHOL DERIVATIVE.

Applicant : KANEKA CORPORATION, OF 2-4, NAKA-NOSHIMA 3-CHOME KITA-KU, OSAKA-SHI, OSAKA 530-8288, JAPAN.

Inventors :

1. KAZUHIKO MATSUI
2. SHINGO MATSUMOTO
3. KENJI INOUE.

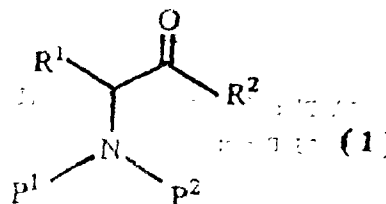
Application No. 952/Cal/98 filed on 28-5-1998.

Convention No(s). 9-162005 & 9-219287 filed on 3-6-97 & 29-7-97 respectively in Japan.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

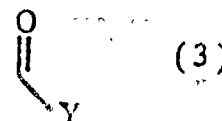
A method of producing α -aminoalcohol derivative by reducing α -aminoketone derivative such as herein described, which comprises reacting an α -aminoketone derivative of the general formula (1);



wherein R¹ represents one member selected from the group consisting of a substituted or unsubstituted alkyl group containing 1 to 20 carbon atoms, a substituted or unsubstituted aralkyl group containing 7 to 20 carbon atoms, a substituted or unsubstituted aryl group containing 6 to 20 carbon atoms, and a hydrogen atom; R² represents either a group of the general formula (2);

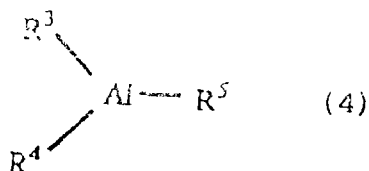


wherein X represents a halogen atom and n represents an integer of 0 to 2, or a group of the general formula (3);



wherein Y represents one member selected from the group consisting of an alkoxy group, an aralkyloxy group, a substituted or unsubstituted amino group, and an alkylthio group; P¹ and P² each independently represents a hydrogen atom or an amino-protecting group, exclusive of the case where P¹ and P² are the same and each represents a hydrogen atom,

with a reducing agent, which is a reaction product of an organoaluminium compound of the general formula (4)



wherein R³, R⁴ and R⁵ each independently represents a substituted or unsubstituted alkyl group containing 1 to 10 carbon atoms, or a hydrogen atom, on condition that at most one of R³, R⁴ and R⁵ represents a hydrogen atom, a sulfonic acid derivative of the general formula (5) :



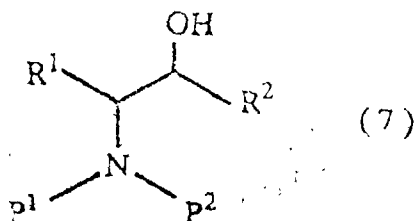
wherein R⁶ represents one member selected from the group consisting of a substituted or unsubstituted alkyl group containing 1 to 10 carbon atoms, a substituted or unsubstituted aralkyl group containing 7 to 20 carbon atoms, and a substituted or unsubstituted aryl group containing 6 to 20 carbon atoms, and

an alcohol compound of the general formula (6) :



wherein R⁷ represents a substituted or unsubstituted, primary or secondary alkyl group containing 1 to 20 carbon atoms, or a substituted or unsubstituted, primary or secondary

alkyl group containing 7 to 20 carbon atoms, to give an d-aminoalcohol derivative of the general formula (7) :



wherein R¹, R², P¹ and P² are as defined above.

(Compl. Specn. 35 Pages;

Drgs. 1 Sheet)

Ind. Cl. : 83 B₄

184320

Int. Cl.⁴ : A 23 L 1/22.

PROCESS FOR MAKING A FLAVORING COMPOSITION.

Applicant : V. MANE FILS, S.A., OF 620, ROUTE DE GRASSE 06620, LE BAR SUR LOUP, FRANCE.

Inventors :

1. JEAN M MANE.

2. JEAN-LOUIS PONGE.

Application No. 1143/Cal/98 filed on 30-6-1998.

Convention No. 08/520, 399 filed on 29-08-1995 and 08/629,598 filed on 9-4-96 in U.S.A.

(Divided out of No. 1540/Cal/96 Ante dated to 29-8-96).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

08 Claims

A process for making a flavoring composition which comprises the step of incorporating from 1-80% by weight, based on the total weight of the flavoring composition, of a coolant selected from the group consisting of monomethyl succinate, alkali metal salts of monomethyl succinate, alkaline earth metal salts of monomethyl succinate and mixtures thereof, into 22-90% by weight of a flavorant diluent which comprises at least one flavorant selected from the group consisting of fruit flavors, herbal oils, sweetening syrups and flavoring syrups and flavoring oils.

Compl. Specn. 16 pages

Drgns. Nil

Ind. Cl. : 140 B 1

184321

Int. Cl.⁴ : C 10 M 107/00

REFRIGERATING UNIT.

Applicant : SANYO ELECTRIC CO. LTD. A COMPANY OF JAPAN OF 2-5-5, KEIHANHONDORI, MORIGUCHI-SHI, OHSAKA-FU, JAPAN.

Inventors :

(1) YUTAKA HIRANO

(2) TAKEO KAMATUBARA

(3) TAKASHI SUNAGA

(4) YASUKI TAKAHASHI

(5) KIYOSHI TANAKA

(6) KIYOSHI AKAZAWA

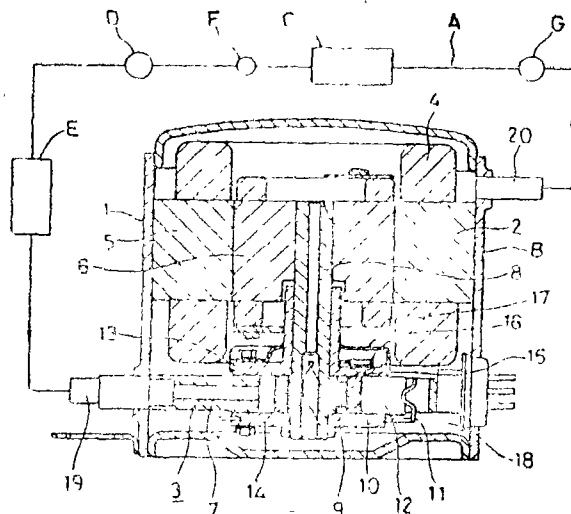
(7) MASATO WATANABE.

Application No. 083/Mas/94 filed on 9th Feb. 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A refrigerating unit comprising the component parts of a compressor, a condenser, a pressure reducing unit and an evaporator connected to perform a refrigeration cycle, which components are machined and assembled using an alkylbenzene hard oil (HAB) or an ester system oil as the oil used in the machining and assembling processes of said component parts, and the volume of HAB used being less than 10% of the sealed volume of the refrigerating machine oil in the refrigerating unit, said refrigerating unit using a hydrofluorocarbon system refrigerant in the refrigeration cycle and having at least one refrigerating machine oil with a polyol ester oil as its base oil, the hydrofluorocarbon system refrigerant having its purity higher than 99.95 wt% and the amount of chlorine impurity in the system refrigerant is lower than 80 ppm.



Compl. Specn. 35 pages :

Drgns. 4 Sheets

Ind. Cl : 42 A2, C

184322

Int. Cl.⁴ : A 24 D 1/00, 3/18 A 24 F 13/00.

A CIGARETTE WITH AN ELECTRICAL SMOKING SYSTEM.

Applicant : PHILIP MORRIS PRODUCTS INC., 3601 COMMERCE ROAD, RICHMOND, VIRGINIA 23234, USA, A US COMPANY.

Inventors :

1. ROBERT H. LEE, III
2. A. CLIFTON LILLY, JR.
3. PETER J. LIPOWICZ
4. D. BRUCE LOSEE, JR.
5. HUGH J. MCCAFFERTY
6. DONALD E. MISER
7. CONSTANCE H. NICHOLS
8. WYNN R. RAYMOND
9. ROBERT L. RIPLEY
10. RENZER R. RITT, SR.
11. G. ROBERT SCOTT
12. F. MURPHY SPRINKEL
13. ALFRED L. COLLINS
14. MARY ELLEN COUNTS
15. AMITABH DAS
16. SEETHARAMA C. DEEVI
17. GRIER S. FLEISCHHAUER
18. MOHAMMAD R. HAJALOGOL
19. PATRICK H. HAYES
20. CHARLES T. HIGGINS
21. WILLIE G. HOUCK, JR.
22. BILLY J. KEEN, JR.
23. BERNARD C. LAROY
24. WILLIAM H. STEVENS
25. MANTHARAM SUBBIAH
26. FRANCIS V. UTSCH
27. MICHAEL L. WATKINS
28. SUSAN E. WRENN.

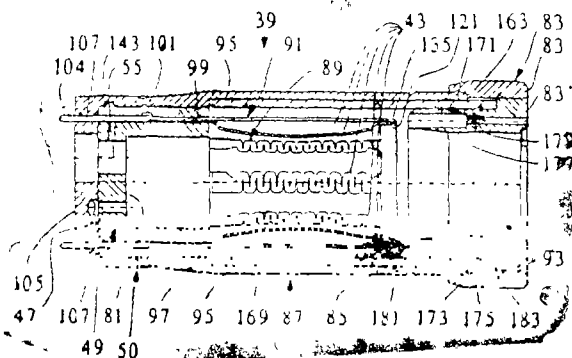
Application No. 94/Mas/94 filed on 15th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

50 Claims

A cigarette for an electrical smoking system having atleast one electrical heater means for delivering a flavoured response to a smoker, the said cigarette comprising a carrier having first and second ends spaced apart in a longitudinal direction and having first and second surfaces, the first surface defining a cavity between the first and second ends, and the second surface having an area for being disposed adjacent an electrical heater; and tobacco flavour material disposed on the first surface of the carrier.

Fig. 1



Compl. Specn. 72 pages;

Drgns. 19 Sheets

Ind. Cl. : 128 G

184323

Int. Cl.⁴ : A 61 M 1/34

A BLOOD FILTER.

Applicant : SREE CHITRA THIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING, SATELMOOND PALACE, THIRUVANANTHAPURAM 695 012, INDIA, AN INDIAN COMPANY.

Inventor : SATYENDRANATH PAI.

Application No. 616/Mas/94 filed on 11th July 1994.

Complete Specification Left : 04th September 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A SCREEN TYPE BLOOD FILTER COMPRISING :

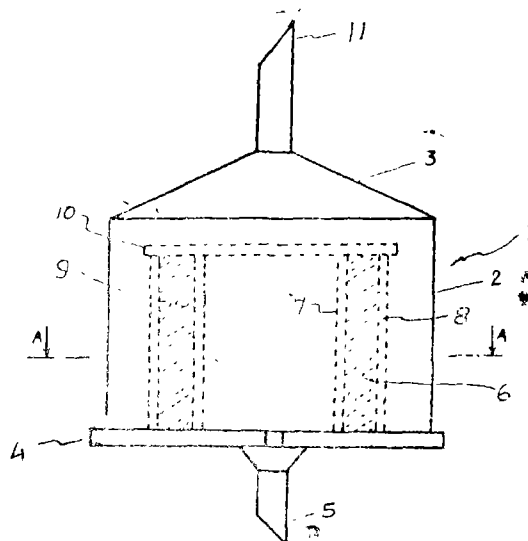
(i) a housing (2) having an inlet (11) provided in the cover (3) of said housing and adapted to be connected to a blood bag;

(ii) an outlet (5) provided in the base (4) of said housing;

(iii) a cylindrical filtration member (6, 7 and 8) having a centrally located hollow space (9) in flow communication with said outlet for allowing a discharge of the filtered blood;

(iv) a positioning member (10) held to the upper end of said filtration member; and

(v) said filtration member supported on the base of said housing.



Prov. Specn. 05 pages;

Compl. Specn. 07 pages;

Drgns. 01 Sheet

Ind. Cl. : 32 F 3(b)

184324

Int. Cl.⁴ C 07 C 7/00

C 07 C 57/30

A NOVEL PROCESS FOR THE PURIFICATION OF ANTIHYPERCHOLESTEROLEMIC AGENTS.

Applicant: HELIX BIOTECH PVT LTD., AN INDIAN COMPANY, AT PLOT NO. 113-C2, BOMMASANDRA INDUSTRIAL AREA, BANGALORE-562 153, KARNATAKA STATE, INDIA.

Inventors :

- (1) NEEDAMANGALAM SRINIVASA VENKATESH
- (2) SAMBASIVAM GANESH.

Application No. 2202/Mas/96 filed on 6 December 1996.

Complete Specification Left : 05th March 1998

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A novel process for the purification of antihypercholesterolemic agents like Mevinolinic acid, triol acid and mevinic acid as herein described, comprising the steps of :

- (i) Obtaining a biomass from a sterilized mixture of solid materials in water, which was inoculated with a well grown culture of *Aspergillus Flavipes* and fermented under humid condition at 30°C for 5 days ;
- (ii) Extracting the said biomass from step (i) with water or aqueous solution of chemicals as described herein and concentrating the solution ;
- (iii) Acidifying the aqueous concentrate of step (ii) with an inorganic acid as described herein, in the presence of water immiscible solvents such as ethyl acetate, chloroform, dichloromethane, ethylene dichloride, diethylether ;
- (iv) Washing the water immiscible solvent from (iii) with an aqueous base such as herein described followed by a brine wash and
- (v) Concentrating the extract so obtained under reduced pressure to afford the product—Mevinolinic acid, Triol acid or Mevinic acid, with antihypercholesterolemic properties.

Prov Specn. 5 pages

Compl. Specn. 11 pages

Drgns. 1 Sheet

Ind. Cl. : 32 F 3 (d)

184325

Int. Cl.⁴ : C 07 D 309/00

A PROCESS FOR THE PURIFICATION OF THE LACTONE FORM OF ANTIHYPERCHOLESTEROLEMIC AGENTS.

Applicant : HELIX BIOTECH LIMITED, AN INDIAN COMPANY, AT PLOT NO. 113-C2, BOMMASANDRA INDUSTRIAL AREA, BANGALORE-562 158, KARNATAKA STATE, INDIA.

Inventors :

1. NEEDAMANGALAM SRINIVASA VENKATESH,
2. SAMBASIVAM GANESH.

Application No. 2203/Mas/96 filed on 6th Dec. 1996.

Complete Specification Left on 5th March 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the purification of the lactone form of antihypercholesterolemic agents of the formula II shown in the accompanying drawings from the corresponding acid or salt forms of the formula I, comprising the step of :

(a) Obtaining a biomass from a sterilized mixture of solid materials in water which was inoculated with a well grown culture of *Aspergillus Flavipes* and fermented under humid condition at 30°C for 5 days ;

(b) Extracting the said biomass from step (a) with a water miscible solvent such as herein described ;

(c) Concentrating the solvent extract of step (b) under reduced pressure ;

(d) Acidifying the aqueous extract with dilute sulphuric acid having pH=4.0 or other inorganic acids like hydrochloric acid or phosphoric acid followed by the extraction of the acid form with a Water immiscible solvent such as herein described ;

(e) Converting the acid form (formula I) to the lactone form (formula II) by adding an acid catalyst such as herein described ;

(f) Washing the product of step (e) by known method to remove the catalyst ; and

(g) Drying, concentrating and crystallizing the product of step (f) by known methods.

Compl. Specn. 10 pages ;

Drgns. 2 Sheets

Ind. Cl. : 55 E¹

184326

Int. Cl.⁴ : A 61 K 31/00

A PROCESS FOR THE PREPARATION OF A FORMULATION BASED ON NARROW SPECTRUM DRUGS WITH ENHANCED ACTIVITY.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, AN INDIAN INSTITUTE OF BIOMEDICAL TECHNOLOGY WING, SATELMOND PALACE, TRIVANDRUM-695 012, KERALA STATE, INDIA.

Inventors :

- (1) KOTHANDARAMAN RATHINAM
- (2) ASOKAN KUTTIYIL
- (3) KUNNATHEERY SREENIVASAN
- (4) RAJAGOPALAN SIVAKI MAR

Application No. 1679/Mas/97 filed on 25 July 1997.

Complete Specification Left : 29th June 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process for the preparation of a formulation based on narrow spectrum drugs with enhanced activity comprising mixing 10-30mg of sodium alginate with 5-10mg of a narrow spectrum active drug, such as cloxacillin, penicillin, ampicillin at a temperature in the range of 30-35°C and humidity in the range of 70-85, making a paste using distilled water and converting into pharmaceutical formulations as herein described.

Prov. Specn. 6 pages ;

Compl. Specn. 6 pages ;

Drgn. 1 Sheet

Ind. Cl. : 83 A

184327

Int. Cl.⁴ : A 23 L 1/313

A PROCESS FOR ISOLATING A PROTEIN RICH COMPOSITION SUBSTANTIALLY FREE OF MEMBRANE LIPIDS FROM ANIMAL MUSCLE TISSUE.

Applicant : ADVANCED PROTEIN TECHNOLOGIES, INC. OF 178 GRANITE STREET, ROCKPORT, MASSACHUSETTS 01966, USA ; A MASSACHUSETTS CORPORATION.

Inventors

- (1) HERBERT O. HULTIN
- (2) STEPHEN D. KELLEHER

Application No. 2318/Mas/97 filed on 16th October 1997.

(Convention No. 60/034,351 dated 21-12-96 in US).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

35 Claims

A process for isolating a protein rich composition substantially free of membrane lipids from animal muscle tissue, such as herein described said protein rich composition capable of being formed into a gel comprising the steps of :

preparing in a known manner a protein rich aqueous liquid solution from a particulate form of said animal muscle tissue in an aqueous liquid composition having a pH less than about 3.5 which does not substantially degrade protein of said protein rich composition,

separating membrane lipids from said solution containing said protein rich composition and isolating from said solution said protein rich composition by known means.

Compl. Specn. 46 pages ;

Drgns. 4 Sheets

Ind. Cl. : 32 F² C

184328

Int. Cl.¹ : C 07 C 99/00

A PROCESS FOR PRODUCING L-ASPARTIC ACID.

Applicant: SOLUTIA INC., OF 10300 OLIVE BOULEVARD, PO BOX 67760, ST. LOUIS, MISSOURI 63166-6760, USA, A CORPORATION OF THE STATE OF DELAWARE, USA.

Inventor : ANDREW STUART WALLER.

Application No. 2468/Mas/97 filed on 29th October 1997.

Convention No. 60/030,274 on 1st November 1996 in USSN.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A process for producing L-aspartic acid comprising the steps of reacting enzyme containing materials such as herein described having maleate isomerase activity and aspartase activity with an aqueous solution containing maleic acid and ammonia, and/or mono or di-ammonium maleate to form L-ammonium aspartate, adding said reaction mixture to an aqueous solution of compounds selected from maleic acid and maleic anhydride at a controlled rate to crystallize L-aspartic acid therefrom and recovering said L-aspartic acid from the mother liquor by known means.

References : U.S. Patents—4560653, 3391059.

Agent : M/s. Depenning & Depenning.

Compl. Specn. 24 pages ;

Drgn. Nil sheet

Ind. Cl. : 77 A

184329

Int. Cl.¹ : A 23 L 1/30

A 23 D 5/00

A PROCESS FOR THE MANUFACTURE OF STABLE, COLD WATER-DISPERSIBLE PULVEROUS PREPARATIONS OF A MICROBIALY PRODUCED OIL.

Applicant : F HOFFMANN-LA ROCHE AG, A SWISS COMPANY, OF 124 GRENZACHERSTRASSE, CH-4070 BASLE, SWITZERLAND.

Inventors :

- (1) JEAN-CLAUDE TRITSCH
- (2) JOHANN ULM

Application No. 2526/Mas/97 filed on 5th Nov. 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for the manufacture of stable, cold water-dispersible pulverous preparations comprising 20 to 80% by weight of a microbially produced oil, the said oil comprising, (i) arachidonic acid and (ii) a first antioxidant, wherein the oil is emulsified in a matrix, the matrix comprising fish gelatin that is present in an amount sufficient to render the oil dispersible in water and a second antioxidant for the aqueous phase that is selected from the group consisting of an alkali earth salt of ascorbic acid and an alkaline earth salt of ascorbic acid, the method comprising :

(a) dissolving the fish gelatin together with a second anti-oxidant in water to form an aqueous matrix in a temperature range of 20°C to 90°C, and emulsifying the microbially produced oil in the aqueous matrix by homogenization at atmospheric pressure or elevated pressure up to 1000 bar and at temperatures of room-temperature to 70°C, to form an emulsion, and

(b) converting the emulsion of step (a) into a powder by drying, whereby the weight ratio of the microbially produced oil to the other components present in the final product is 20 : 80 to 80 : 20.

Agents : M/s. De Penning & De Penning

Compl. Specn. 9 pages ;

Drgn. Nil sheet

Ind. Cl. : 32 F1

184330

Int. Cl.¹ : C 07 C 17/14 &
C 07 B 39/00.

METHOD FOR PRODUCING BENZYL BROMIDE DERIVATIVES.

Applicant : SUMITOMO CHEMICAL COMPANY, LTD., 5-33, KITAHAMA 4-CHOME, CHUO-KU, OSAKA 541-8550, JAPAN, A JAPANESE COMPANY.

Inventors :

1. KENZI TAKUMA
2. AKIKO KAKIMIZU
3. TOMOYUKI KUSABA

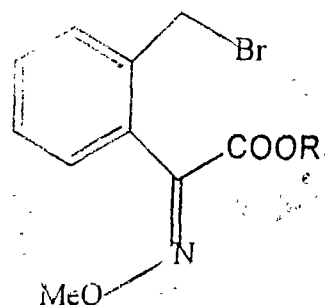
Application No. 2039/Mas/98 filed on 10th September 1998.

Convention No. 09-275733 on 8th October 1997 in Japan.

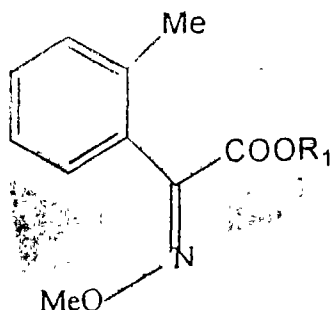
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A method for producing a benzyl bromide derivative of the formula I



wherein R₁ represents a C₁ to C₈ alkyl group which comprises reacting a 2-methylphenylacetic acid derivative of the formula II



wherein R₁ means the same as above with bromine in the presence of an alkali metal salt, and isolating the benzyl bromide derivative of the formula I by known means

(Compl. Specn. 22 Pages;

Drgs. Nil Sheet)

Ind. Cl. 94 C, G 153

184331

Int. Cl.⁴: B 02 C 9/00

MULTIPURPOSE WET AND DRY GRINDER WITH FLOATING ROLLERS.

Applicant: BALAKRISHNAN JAGANNATHAN, AN INDIAN NATIONAL, CONSULTANT, 4 A2, GANDHI NAGAR, KOUNDANPALAYAM, COIMBATORE-641 030, TAMILNADU, INDIA.

Inventor: BALAKRISHNAN JAGANNATHAN.

Application No. 152/Mas/94 filed on 4 March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A multipurpose wet and dry grinder with floating rollers comprising of displaceable stone based drum, and a drive unit consists of a base drive plate fixed to a shaft, mounted on a housing with bearing in a rigid base frame and other end shaft fixed with a driven pulley and drive arrangement through a counter pulley and an electrical motor drive unit as prime mover and all fixed to the rigid frame thereof and the drum having a central pivot on which a vertical stem guided and fixed with a horizontal shaft, and provided with two cylindrical stone floating rollers, rotatable, and fitted to slotted lead screw and nuts, freely held between the tongs of rigid arm such as to keep the said floating rollers in floating position or rigid position thereof and the rigid arm freely fixed to a vertical column thereof and mounted rigidly to the base frame.

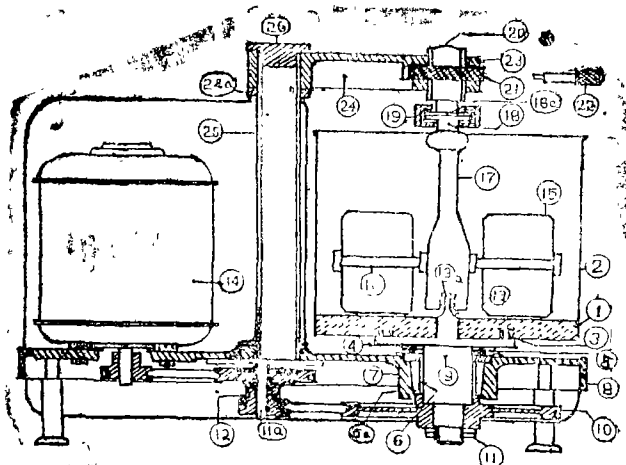


FIG-1

Compl. Specn. 15 pages;

Drgns. 4 sheets

Ind. Cl.: 103

184332

Int. Cl.⁴: C 23 F 13/00

A SYSTEM AND A METHOD FOR MAKING A CORROSION RESISTANT METALLIC ARTICLE.

Applicant: RIFFE WILLIAM, A US CITIZEN, OF 510 FISHER STREET, MOREHEAD CITY, NORTH CAROLINA 28557, USA.

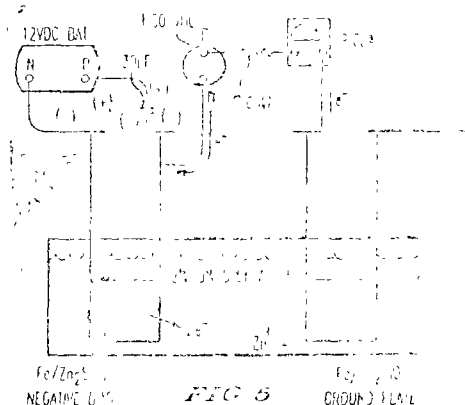
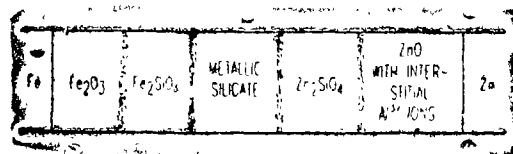
Inventor RIFFE WILLIAM.

Application No. 190/Mas/94 filed on 17th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

A system for making a corrosion resistant metallic article, such as herein described, said system comprising means for providing a conductive zinc silicate coating in conductive contact with at least part of the surface of the article and a power supply for imparting a net negative bias to said metallic article, said power supply having a negative terminal directly coupled to said metallic article and a positive terminal coupled to said metallic article, at a position remote from said negative terminal, through a capacitor or a resistor.



Compl. Specn. 37 pages;

Drgns. 4 sheets

Ind. Cl.: 172 C 2.

184333

Int. Cl.⁴: D 01 G 19/16.

A NIPPER FOR A COMBING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG, CH 8406 WINTERTHUR, SWITZERLAND; A SWISS COMPANY.

Inventor: LANG HELFRIED.

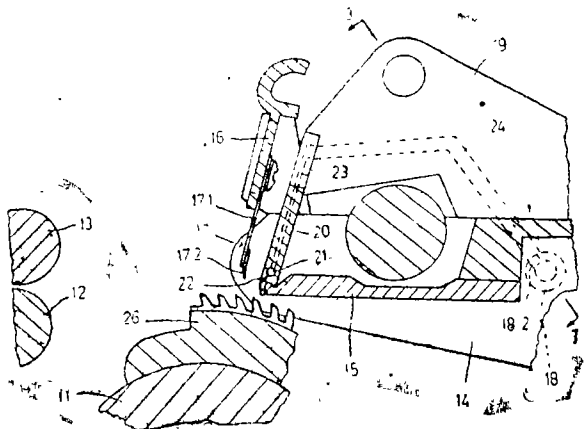
Application No.: 191/Mas/94 filed on 17 March 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

09 Claims

A nipper for a combing machine comprising a bottom nipper frame (14) carrying a lower nipper plate (15); a top comb (16, 17) carried on a bottom nipper frame and provided with combing needles (17, 2); a top nipper part

having top nipper arms (19; 119) swivellably connected to the bottom nipper frame and carrying a top nipper knife (20; 120) cooperating with the bottom nipper plate (15) and a device for emitting air streams onto the combing needles (17, 2) of the top comb (16, 17) and onto fibre tufts nipped between the top nipper knife (20; 120) and the bottom nipper knife (15), characterized in that the top nipper knife (20; 120) has a blown air duct (21; 121) which is provided with at least one air discharge opening (22; 122) for emitting blown air in the direction towards the fixed comb (16, 17), and that the top nipper part (19, 20; 19; 120) has means (18, 24, 23) for the cycled supply of blown air in the blown air duct (21; 121).



(Compl. Specn. : 12 pages;

Drgns. : 3 sheets)

Ind. Cl. : 129 P.

184334

Int. Cl.⁴ : B 23 B—27/00.

INSERT.

Applicant : KRUPP WIDIA GmbH, MUNCHENER STRASSE 90, D4300 ESSEN 1, GERMANY, AN ORGANISATION DULY CONSTITUTED AND ORGANISED UNDER THE LAWS OF GERMANY.

Inventors :

1. MR. STALLWITZ ERWIN
2. MR. AGUSTIN PAYA
3. MR. MADER KLAUS
4. Mr. RETZKOWSKI DIRK

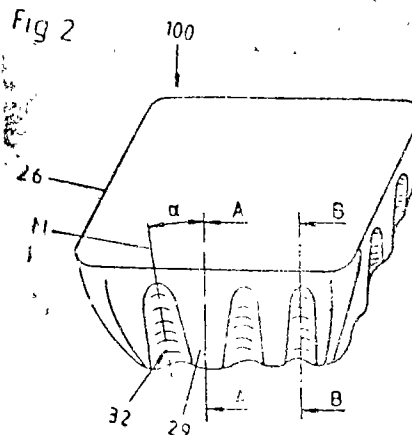
Application No. 199/Mas/94 filed on 21st March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

28 Claims

Insert (100, 200) for chip-forming operations, especially for turning, milling, parting-off and drilling of a work-piece (36), whose at least one-side top surface form the face (28) with at least one cutting edge (26) and its surrounding lateral surfaces form at least one flank (29), characterised by the fact that the flank (29, 54), has one or more flank elements containing recesses (32) with a depth between 0.03mm to 0.3mm and/or elevations (50, 60) at a predetermined distance (h_1) from the cutting edge (26, 34).

Agent : M/s. Kamath & Kamath.



(Compl. Specn. : 26 pages;

Drgns. : 8 sheets)

Ind. Cl. : 40 F.

184335

Int. Cl.⁴ : B 01 J 8/24.

AN APPARATUS FOR CIRCULATING SOLID MATERIAL IN A FLUIDIZED BED REACTOR.

Applicant : FOSTER WHEELER ENERGIA OY OF SENTNERIKUJA 2, 00440 HELSINKI, FINLAND/A FINNISH COMPANY.

Inventor : TIMO HYPPANEN.

Application No. : 231/Mas/94 filed on 28th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

An apparatus for circulating solid material in a fluidized bed reactor, comprising :

a reactor chamber, having side walls and a grid at the bottom of the reactor chamber :

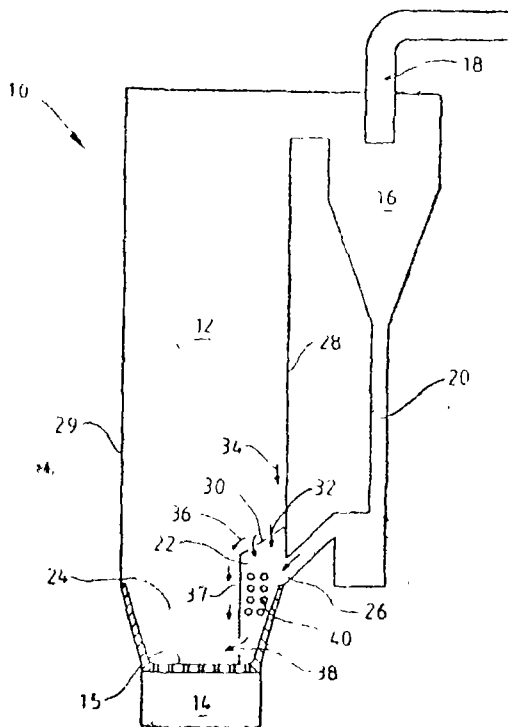
a gas discharge opening adjacent the upper end of the reactor chamber;

a fluidized bed of solid particles in said reactor chamber; the fluidized bed having an internal circulation of solid particles; characterized in that;

a particle chamber is disposed in the fluidized bed of solid particles, said particle chamber having an upper end wall, with a horizontal projection area A;

inlet openings are disposed in the upper end wall, said inlet openings having a total open area B, of less than half of the area A; and

said particle chamber further has at least one opening in a side wall between the particle chamber and the reactor chamber.



(Compl. Specn. : 22 pages; Drgns. : 7 sheets)

Ind. Cl. : 31 C. 184336

Int. Cl.⁴ : H 01 L 29/00.

A POWER DIODE WITH A MULTILAYER EPI-TAXIAL STRUCTURE AND A METHOD OF MANUFACTURING SAME.

Applicant : GENERAL SEMICONDUCTOR, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, 10 MELVILLE PARK ROAD, MELVILLE, NEW YORK 11747, USA.

Inventors :

1. JOSEPH CHAN
2. DENNIS GARBIS
3. LAWRENCE LATERZA
4. REINHOLD HIRTZ
5. GREGORY ZAKALUK
6. ALI SALIH

Application No. 240/Mas/94 filed on 30th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

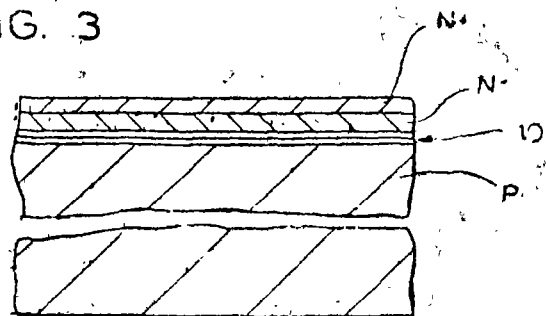
24 Claims

A power diode with a multilayer epitaxial structure comprising a heavily doped silicon substrate of a given polarity with an impurity concentration of more than 10^{19} per cm^3 , a dopant depleted cap layer, a lightly doped epitaxial layer of 0.1 ohm cm to 200 ohm cm resistivity grown above said cap layer and a heavily doped epitaxial layer of

opposite polarity to said given polarity, with an impurity concentration of more than 10^{19} per cm, grown on said lightly doped epitaxial layer.

Reference : 241/94, 242/94.

FIG. 3



(Compl. Specn. : 19 pages; Drgn. : 1 sheet)

Ind. Cl. : 187 C3.

184337

Int. Cl.⁴ : H 04 M 1/00.

AN APPARATUS FOR DETECTING INFORMATION ABOUT A CALL THAT IS INDICATED BY AN INDIVIDUAL CALL-CONTROL SIGNAL.

Applicant : AT & T CORP. 32 AVENUE OF THE AMERICAS NEW YORK, NY 10013-2412 U.S.A., A US COMPANY.

Inventors :

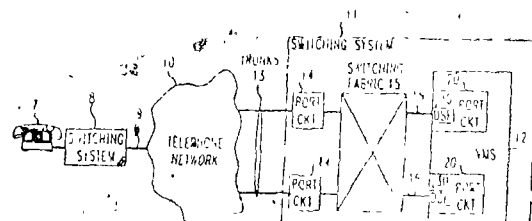
1. DAVID JAMES MARINELLI
2. KEVIN MICHAEL O'DELL

Application No. 249/Mas/94 filed on 31st March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

An apparatus for detecting information about a call that is indicated by an individual call-control signal, comprising : receiving means for receiving signals carried by the call; analyzing means for analyzing the received signals; and indicating means responsive to the analysis, for indicating whether or not the information about the call has been detected, CHARACTERIZED IN THAT the analyzing means comprises a multivariate signal classifier (220, 230) for performing a multivariate signal-classification on a whole range of frequencies of the received signals in which range any of a plurality of call-control signals are expected to occur, to detect any of the plurality of call-control signals among other signals carried by the call within the range of frequencies; and the indicating means comprises an event detector (240) responsive to detection made by the multivariate signal-classification that the call carries any of the plurality of call-control signals within the frequency range, for indicating that information about the call that is indicated by said carried any of the plurality of call-control signals has been detected.



(Compl. Specn. : 28 pages; Drgns. : 3 sheets)

Ind. Cl. : 128 G.

184338

17 Claims

Int. Cl.³ : A 61 B 5/00.**DOUBLE UMBRELLA OCCLUDER DEVICE FOR CARDIOVASCULAR APPLICATION.**

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, BIO-MEDICAL TECHNOLOGY WING, SATELMOND PALACE, TRIVANDRUM 695 012, KERALA, INDIA, AN INDIAN ORGANISATION.

Inventors :

1. KOLATHU RAVIMANDALAM
2. ATIPETAH JAYAKRISHNAN

Application No. : 267/Mas/94 filed on 06th April 1994.

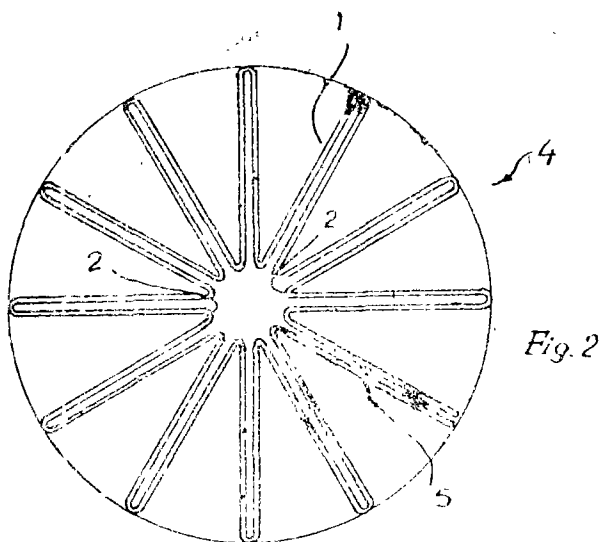
(Complete Specification Left : 05th July 1995).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A double-umbrella occluder device for cardiovascular applications comprising a first (3) and second (4) umbrella disposed in a spaced relationship to each other, characterised in that each of said umbrellas comprises a wire frame, said wire frame being made up of a plurality of continuous radial arms (1) formed from a single wire, the spaces between adjacent arms having a biomedical grade polyurethane film therebetween, said first and second umbrellas being held to each other.

(Prov. Specn. : 09 pages)



(Prov. Specn. 09 pages.)

(Compl. Specn. : 11 pages;

Drgns. : 1 sheet)

Ind. Cl. : 129 G, F, P.

184339

Int. Cl.³ : B 23 B 27/16.**CUTTING UNIT.**

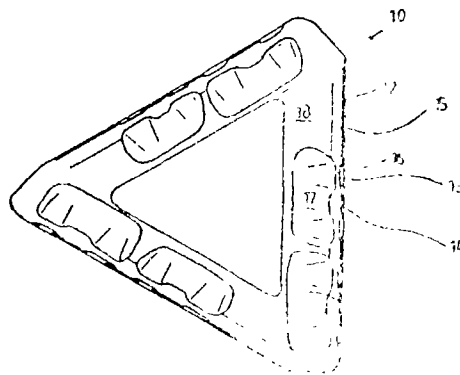
Applicant : KURUP WIDIA GmbH, MUNCHENER STRASSE 90, D4300 ESSEN 1, GERMANY, AN ORGANISATION DULY CONSTITUTED AND EXISTING UNDER THE LAWS OF GERMANY.

Inventor : MR. AGUSTIN PAYA.

Application No. 318/Mas/94 filed on 21st April 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

Cutting unit for metal cutting work, especially for milling, turning or parting-off work, with at least one cutting edge (12), and a land (15) joining it, in which the depressions (17, 22), which reach up to the cutting edge other from the cutting edge (12) project inside it, and reduce in cross-section, characterised in that additional depressions (13) or recesses are provided parallel to the depressions (17, 22), which reach up to the cutting edge (12), and/or which break through the depressions (17, 22), for further narrowing down (16) of the land cross-section (15).



(Compl. Specn. : 20 pages;

Drgns. : 5 sheets)

Ind. Cl. : 128 B

184340

Int. Cl.³ : A 61 F 2/00, A 61 B 17/00.**"A ROTATIONALLY SYMMETRICAL IMPLANTABLE ANCHORING ELEMENT".**

Applicant : MEDEVELOP AB; A SWEDISH COMPANY OF PO BOX 5411, S-402 29 GOTHENBURG, SWEDEN.

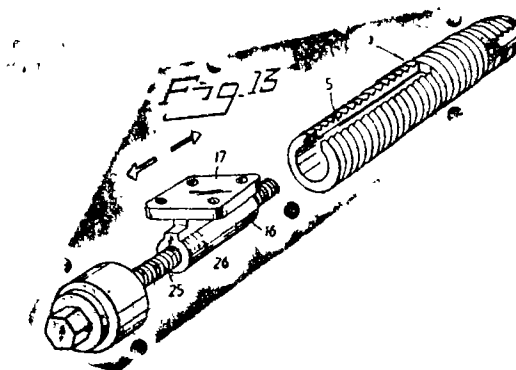
Inventor : 1. BRANEMARK, PER-INGVAR.

Application No. 335/Mas/94 filed on 26th April 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A rotationally symmetrical anchoring element intended for implantation in tissue for supporting prostheses or artificial joint components said anchoring element comprising a tissue compatible material having a peripheral surface provided with an external thread, an insertion end which is the leading end during insertion in tissue and attaching to the tissue, an opposite application end from which prostheses or artificial joint components are attachable, a slot for receiving the prostheses or artificial joint component extending radially into the anchoring element from one side and only extending partially across it, the said slot extending substantially axially along a major portion of the axial length of the anchoring element from the application end thereof and ending at a distance from the insertion end.



(Compl. Specn. : 35 pages;

Drgns. 9 sheets)

REFUSAL UNDER SECTION-27

The application for Patent No. 181816 (585/Cal/94) accepted and advertised on 3rd October, 1998 in Gazette of India Part-III Sec. 2, has been refused under Section 27 of the Patents Act, 1970, and "NO PATENT" shall be sealed on this application.

OPPOSITION PROCEEDINGS

In respect of an opposition entered by M/s. Research Designs & Standards Organisation, Lucknow to the grant of a Patent Application No. 179193 (198/Cal/94), the said application for Patent has been treated as withdrawn.

An opposition entered by M/s. Dabur Research Foundation, Ghaziabad to the grant of a Patent Application No. 182484 (1131/Mas/96) has been treated as abandoned and "NO PATENT" shall be sealed.

An opposition entered by M/s. Bharat Heavy Electricals Limited, Hyderabad to the grant of a patent to the application No. 182875 (172/Mas/94) has been dismissed and the application for patent has been ordered to proceed for sealing.

CLAIM UNDER SECTION 20 (1) OF THE PATENT ACT, 1970

In pursuance of the leave granted under Section 20 (1) of the Patents Act, 1970 application No. 50/Cal/94 (181049) made by THE BABCOCK & WILCOX COMPANY has been allowed to proceed in the name of MCDERMOTT TECHNOLOGY, INC.

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 878/Cal/94 (181650) made by THE BABCOCK & WILCOX COMPANY has been allowed to proceed in the name of MCDERMOTT TECHNOLOGY, INC.

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 578/Cal/94 (181706) made by WIDIA HEINLEIN has been allowed to proceed in the name of WIDIA GMBH.

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 581/Cal/94 (182333) made by WIDIA HEINLEIN GMBH has been allowed to proceed in the name of WIDIA GMBH.

RENEWAL FEES PAID

182245	170482	182938	173173	183158	183155	171900
177731	177862	178406	182117	182739	180160	183162
181724	179503	173395	174538	179850	183036	183097
182946	180949	167461	166307	169826	170246	170487
171889	172460	172848	172882	174132	174518	175477
174131	175758	176371	176938	176937	177908	177971
178217	178564	181396	182731	182732	182733	177532
173973	183207	173414	176207	177771	167159	169654
171916	181339	179939	178642	178276	183367	179309
179310	173262	170889	174467	177885	178331	178547
179123	182657	182658	182673	182760	182252	178412
177028	177646	177556	183111	183315	182719	174840
177985	183068	182563	179561	176286	171915	176357
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168733	176052	178667	178783	178824	179435	182671
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182534	174297	176575	177952	182532	181712	182072
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177546	170601	170602	171033	173456	172661	173219
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CESSATION OF PATENTS

177091 177094 177137 177142 177160 177275 177326 177357
117363 177401 177424 177428 177494 177495 177515 177528
177566 177593 177652 177654 177849 178157 173516 176647
178055 182122 182246

PATENT SEALED ON 07-07-2030

182392* 182489*F 182490*F 182810*D 181421 183422*
183423 183424 183425 183426 183427 181428 183429*
183431* 183432* 183433 183436 183437*D 183438*D
183440*D

CAL-09, DEL-07, CHEN-03, MUM-01

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 01. No. 181080, Eagle Flask Industries Ltd., A Company incorporated and existing under the companies Act, 1956, and having its registered office at Eagle Estate, Talegaon-410507, District Pune, Maharashtra, India. "CONTAINER", 15 December 1999.

Class 01. No. 181083, Eagle Flask Industries Ltd., a company incorporated and existing under the companies Act, 1956, and having its registered office at Eagle Estate, Talegaon-410507, District Pune, Maharashtra, India. "TRAY", 15 December 1999.

Class 03. No. 181076, Rolex Plasto Industries, an Indian partnership firm, of Plot No. 814-A Khar Kothari Industrial Estate, Santej, Talika-Kalol, Dist. Mehsana (Gujarat), India. "PEN STAND", 15 December 1999.

Class 03. No's. 181084 & 181085, Eagle Flask Industries Ltd., a company incorporated & existing under the companies Act, 1956, and having its registered office at Eagle Estate, Talegaon 410507, District Pune, Maharashtra, India. "BOTTLE", 15 December 1999.

Class 03. No. 181198, Marico Industries Limited, a company incorporated under the Indian companies Act, at "RANG SHARDA", K. C. Marg, Bandra Reclamation, Bandra (W), Mumbai-400 050, Maharashtra, India. "CONTAINER", 30 December 1999.

Class 03. No. 180785, Marico Industries Limited, a company incorporated under the Indian companies Act, at "RANG SHARDA", K. C. Marg, Bandra Reclamation, Bandra (W), Mumbai-400 050, Maharashtra, India. "MAOOUTH CAP FOR CONTAINER", 15 December 1999.

K. K. MODAK

Asstt. Controller of Patents & Designs.

प्रबन्धक, भारत सरकार मद्रासालय, फरीदाबाद द्वारा मद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित 2000

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